

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2085	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 2085 Kasson	U	6.18				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	5.26		5.26	85.11%		
Trim / Thin Trees	0.25		0.25	4.05%		
Encroachments	0.34	0.01	0.38	6.15%	0.56	
Animal Control	0.07		0.07	1.13%		
<i>LMA Totals:</i>	5.92	0.01	5.96	96.44%	0.56	0.00

Unit No. 01 San Joaquin River LB	Overall Unit Rating	Total Unit Miles				
RD2085	U	5.20				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	4.71		4.71	90.58%		
Trim / Thin Trees	0.25		0.25	4.81%		
Encroachments	0.33	0.01	0.37	7.12%	0.56	
Animal Control	0.07		0.07	1.35%		
<i>Unit Totals:</i>	5.36	0.01	5.40	103.85%	0.56	0.00

Unit No. 02 San Joaquin River	Overall Unit Rating	Total Unit Miles				
RD2085	A	0.69				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments	0.01		0.01	1.45%		
<i>Unit Totals:</i>	0.01	0.00	0.01	1.45%	0.00	0.00

Unit No. 03 San Joaquin River	Overall Unit Rating	Total Unit Miles				
RD2085	U	0.29				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.55		0.55	189.66%		
<i>Unit Totals:</i>	0.55	0.00	0.55	189.66%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2011 Levee Inspection Results

Reclamation District No. 2085 Kasson

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 2085 Kasson

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	5.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/28/2011 - 4/28/2011		11/3/2011 - 11/3/2011	
DWR Inspector	Jim Eto		Jim Eto	
Accompanied By	Ralph Timan		Bob Pombo	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway						Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 01 San Joaquin River						Left	5.20	11/03/2011 11/03/2011		Jim Eto
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.41	0.64	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.723140 ° -121.299541 °	37.721889 ° -121.296096 °	1 Y
2	0.47	0.47	Earthen Levee	Encroachments	WS	U	Pipe Inspector Comments: Pipe from abandoned drainage pump penetrates levee with no closure devices.	37.723396 ° -121.298572 °	37.723396 ° -121.298572 °	2 Y
3	0.51	0.87	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Weed control has not been done, will be started after next tax assessment.	37.723179 ° -121.298021 °	37.719487 ° -121.293252 °	3 Y
4	0.51	2.08	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Waterside vegetation control has not started, will start after next tax assessment.	37.723179 ° -121.298022 °	37.708368 ° -121.277493 °	31 Y
5	0.75	0.86	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	37.720754 ° -121.294860 °	37.719428 ° -121.293202 °	7
6	0.76	0.76	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Burrow could not be seen during Fall 2011 inspection due to vegetation growth.	37.720699 ° -121.294710 °	37.720699 ° -121.294710 °	5
7	0.89	1.18	Earthen Levee	Encroachments	LS	M	Agricultural tilling Inspector Comments: Tilling at levee toe may destabilize levee slope over time and has removed the lower patrol access.	37.719164 ° -121.293194 °	37.714681 ° -121.293194 °	4 Y
8	1.13	1.13	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.716175 ° -121.291347 °	37.716175 ° -121.291347 °	9
9	1.18	1.18	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: 6-7 burrows present near levee toe.	37.715569 ° -121.290892 °	37.715569 ° -121.290892 °	40 Y
10	1.28	1.32	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch Inspector Comments: Drainage ditch at levee toe.	37.714265 ° -121.289641 °	37.714056 ° -121.289069 °	6
11	1.35	1.35	Earthen Levee	Encroachments	CR	M	Pipe	37.714048 ° -121.288410 °	37.714048 ° -121.288410 °	8 Y
12	1.98	1.98	Earthen Levee	Encroachments	WS	W	Pipe	37.708838 ° -121.279253 °	37.708838 ° -121.279253 °	17
13	1.98	2.44	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch Inspector Comments: Concrete-lined ditch near levee toe.	37.708737 ° -121.279087 °	37.703893 ° -121.274605 °	18
14	2.45	2.45	Earthen Levee	Trim / Thin Trees	CR	M	Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: Trim tree up 12' over roadway.	37.703707 ° -121.274597 °	37.703707 ° -121.274597 °	41 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	5.20	11/03/2011 11/03/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	2.51	2.51	Earthen Levee	Underseepage Relief Wells	LS	W		37.702903 ° -121.274860 °	37.702903 ° -121.274860 °	20
16	2.56	2.56	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	37.702182 ° -121.275192 °	37.702182 ° -121.275192 °	10
17	2.71	2.91	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Landside toe is not visible due to vegetation.	37.700179 ° -121.276165 °	37.697686 ° -121.278048 °	43 Y
18	2.75	2.75	Earthen Levee	Encroachments	WS	M	Pipe Inspector Comments: Trash present at crown from pump platform debris.	37.699662 ° -121.276324 °	37.699662 ° -121.276324 °	21 Y
19	3.01	3.01	Earthen Levee	Animal Control	WS	C	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Flagged for repair.	37.696662 ° -121.277066 °	37.696662 ° -121.277066 °	45
20	3.11	3.60	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.695239 ° -121.277017 °	37.688626 ° -121.276446 °	12
21	3.18	3.18	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.694219 ° -121.277285 °	37.694219 ° -121.277285 °	14
22	3.24	3.24	Earthen Levee	Encroachments	WS	M	Pipe Inspector Comments: Steel pipe daylights on water side just below barbed wire fence. Remnants of a turnout and collar on land side. Condition of abandoned pipe under levee is unknown.	37.693439 ° -121.277702 °	37.693439 ° -121.277702 °	46 Y
23	3.28	3.28	Earthen Levee	Animal Control	WS	W	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.692916 ° -121.277929 °	37.692916 ° -121.277929 °	15 Y
24	3.31	3.31	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: No rodents visible, but numerous >10 burrows on landside. 1 burrow on waterside.	37.692453 ° -121.278037 °	37.692453 ° -121.278037 °	44 Y
25	3.32	3.40	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.692347 ° -121.278055 °	37.691213 ° -121.277557 °	48
26	3.33	3.33	Earthen Levee	Encroachments	WS	M	Pipe Inspector Comments: Pipe missing flap gate and positive closure device on waterside hinge point.	37.691969 ° -121.278093 °	37.691969 ° -121.278093 °	22
27	3.37	3.37	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.691680 ° -121.277925 °	37.691680 ° -121.277925 °	47 Y
28	3.46	3.46	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.690532 ° -121.276993 °	37.690532 ° -121.276993 °	16

*** Location**

LS : Land Side
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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River						Left	5.20	11/03/2011 11/03/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
29	3.46	3.46	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.690532 ° -121.276993 °	37.690532 ° -121.276993 °	19
30	3.60	3.60	Earthen Levee	Encroachments	WS	C	Equipment Inspector Comments: Fish and Game fish monitoring station	37.688627 ° -121.276446 °	37.688627 ° -121.276446 °	23
31	3.63	4.01	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.688226 ° -121.276598 °	37.683106 ° -121.274964 °	51 Y
32	3.63	3.63	Earthen Levee	Animal Control	WS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.688212 ° -121.276659 °	37.688212 ° -121.276659 °	25
33	3.63	3.84	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.688212 ° -121.276658 °	37.685226 ° -121.276556 °	26 Y
34	3.72	3.72	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Discharge from River Club lake.	37.686977 ° -121.276804 °	37.686977 ° -121.276804 °	24
35	3.78	3.78	Earthen Levee	Trim / Thin Trees	CR	M	Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: Tree needs to be trimmed up 12' over roadway.	37.686081 ° -121.276741 °	37.686081 ° -121.276741 °	52 Y
36	3.89	3.97	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.684509 ° -121.276243 °	37.683472 ° -121.275570 °	27
37	3.98	3.98	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.683403 ° -121.275372 °	37.683403 ° -121.275372 °	53 Y
38	4.14	4.14	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.682125 ° -121.272988 °	37.682125 ° -121.272988 °	28 Y
39	4.18	4.45	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.681886 ° -121.272333 °	37.681332 ° -121.267518 °	54 Y
40	4.23	4.33	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.681746 ° -121.271419 °	37.681882 ° -121.269607 °	29
41	4.29	4.32	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Trees on levee slope near gate.	37.681765 ° -121.270375 °	37.681868 ° -121.269917 °	11
42	4.32	4.37	Earthen Levee	Encroachments	LS	PO	Landscaping	37.681863 ° -121.269856 °	37.681640 ° -121.269046 °	33 Y
43	4.37	4.37	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.681606 ° -121.268942 °	37.681606 ° -121.268942 °	13 Y
44	4.38	4.38	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	37.681605 ° -121.268882 °	37.681605 ° -121.268882 °	32 Y
45	4.46	4.46	Earthen Levee	Encroachments	CR	C	Prunings	37.681367 ° -121.267375 °	37.681367 ° -121.267375 °	30

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River						Left	5.20	11/03/2011 11/03/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
46	4.49	5.16	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.681203 ° -121.266807 °	37.675008 ° -121.269265 °	55 Y
47	4.61	4.71	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.680394 ° -121.264707 °	37.676892 ° -121.269781 °	34
48	4.71	4.71	Earthen Levee	Encroachments	LS	W	Stairways Inspector Comments: Stairs for monitoring station on landside slope.	37.679451 ° -121.265453 °	37.679451 ° -121.265453 °	35 Y
49	4.71	4.71	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: Monitoring station on waterward side.	37.679451 ° -121.265453 °	37.679451 ° -121.265453 °	36 Y
50	4.81	4.87	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.678321 ° -121.266612 °	37.678073 ° -121.267635 °	56 Y
51	4.84	5.06	Earthen Levee	Encroachments	LS	C	Prunings	37.678200 ° -121.267038 °	37.676759 ° -121.269783 °	37
52	4.92	5.01	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.677882 ° -121.268440 °	37.677072 ° -121.269667 °	57 Y
53	5.05	5.07	Earthen Levee	Encroachments	WS	C	Prunings	37.676382 ° -121.269624 °	37.676236 ° -121.269566 °	38
54	5.08	5.18	Earthen Levee	Encroachments	LS	C	Prunings	37.676040 ° -121.269514 °	37.674693 ° -121.269478 °	39

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	0.41
End Levee Mile	0.64
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Tall weeds remain on the landside levee slope.

jeto_f_20110923_208.jpg



Levee Mile Report Line	1
Start Levee Mile	0.41
End Levee Mile	0.64
Location	Land Side
Category	Earthen Levee
Item	Vegetation

04/28/2011 Weeds taller than 12" inhibit visibility of landside slope and tow.

jeto_f_20110923_209.jpg



Levee Mile Report Line	1
Start Levee Mile	0.41
End Levee Mile	0.64
Location	Land Side
Category	Earthen Levee
Item	Vegetation

11/03/2011 Updated photo vegetation issue still remains on landside.

jeto_f_20111110_548.jpg



*** Location**

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WS : Water Side
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**** Rating**

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PO : Partially Obstructing
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W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	2
Start Levee Mile	0.47
End Levee Mile	0.47
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Drainage discharge pipe penetrates levee with no closure device.	
jeto_f_20110923_210.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.47
End Levee Mile	0.47
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Opening on landside appears to consist of melted poly pipe halfway up levee slope. Opening on waterside is heavily corroded steel pipe.	
jeto_f_20110923_211.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.47
End Levee Mile	0.47
Location	Water Side
Category	Earthen Levee
Item	Encroachments
04/28/2011 Area around discharge pipe appears to be in an area of erosion. Area was found after weeds were cleared.	
jeto_f_20110923_212.jpg	

*** Location**

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WS : Water Side
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CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	3
Start Levee Mile	0.51
End Levee Mile	0.87
Location	Land Side
Category	Earthen Levee
Item	Vegetation

11/03/2011 Vegetation control measures have not been started yet.

jeto_f_20111110_549.jpg



Levee Mile Report Line	4
Start Levee Mile	0.51
End Levee Mile	2.08
Location	Water Side
Category	Earthen Levee
Item	Vegetation

11/03/2011 Waterside vegetation management has not started yet.

jeto_f_20111110_550.jpg



Levee Mile Report Line	7
Start Levee Mile	0.89
End Levee Mile	1.18
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Tilling of soil on the levee toe will destabilize the slope over time.

jeto_f_20110923_213.jpg



*** Location**

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CR : Crown

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W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	9
Start Levee Mile	1.18
End Levee Mile	1.18
Location	Land Side
Category	Earthen Levee
Item	Animal Control
11/03/2011 Several burrows present.	
jeto_f_20111110_551.jpg	



Levee Mile Report Line	9
Start Levee Mile	1.18
End Levee Mile	1.18
Location	Land Side
Category	Earthen Levee
Item	Animal Control
11/03/2011 Second photo more burrows in the same location.	
jeto_f_20111110_552.jpg	



Levee Mile Report Line	11
Start Levee Mile	1.35
End Levee Mile	1.35
Location	Crown
Category	Earthen Levee
Item	Encroachments
Photo of anti siphon at waterside shoulder.	
jeto_f_20110923_214.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	14
Start Levee Mile	2.45
End Levee Mile	2.45
Location	Crown
Category	Earthen Levee
Item	Trim / Thin Trees

11/03/2011 Tree needs to be trimmed up to a minimum of 12' over the roadway.

jeto_f_20111110_554.jpg



Levee Mile Report Line	17
Start Levee Mile	2.71
End Levee Mile	2.91
Location	Land Side
Category	Earthen Levee
Item	Vegetation

11/03/2011 Tumbleweed on landside slope and toe obscure visibility.

jeto_f_20111110_555.jpg



Levee Mile Report Line	18
Start Levee Mile	2.75
End Levee Mile	2.75
Location	Water Side
Category	Earthen Levee
Item	Encroachments

04/28/2011 Trash still present, item was noted in Fall 2010 inspection.

jeto_f_20110923_216.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	22
Start Levee Mile	3.24
End Levee Mile	3.24
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Photo of pipe penetration discharge off landside slope.

jeto_f_20110923_221.jpg



Levee Mile Report Line	23
Start Levee Mile	3.28
End Levee Mile	3.28
Location	Water Side
Category	Earthen Levee
Item	Animal Control

04/28/2011 Fresh burrow in center of picture, "porch" extends to the grass line.

jeto_f_20110923_215.jpg



Levee Mile Report Line	24
Start Levee Mile	3.31
End Levee Mile	3.31
Location	Land Side
Category	Earthen Levee
Item	Animal Control

11/03/2011 Landside burrows.

jeto_f_20111110_556.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	24
Start Levee Mile	3.31
End Levee Mile	3.31
Location	Land Side
Category	Earthen Levee
Item	Animal Control
11/03/2011 More landside burrows at same location.	
jeto_f_20111110_557.jpg	



Levee Mile Report Line	27
Start Levee Mile	3.37
End Levee Mile	3.37
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Rodent holes have been flagged for repair.	
jeto_f_20110923_222.jpg	



Levee Mile Report Line	31
Start Levee Mile	3.63
End Levee Mile	4.01
Location	Water Side
Category	Earthen Levee
Item	Vegetation
11/03/2011 Vegetation on water side is not being properly maintained. Top 20' from the hinge must be cleared.	
jeto_f_20111110_558.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	33
Start Levee Mile	3.63
End Levee Mile	3.84
Location	Land Side
Category	Earthen Levee
Item	Vegetation
11/03/2011 Vegetation on landside must be controlled on the entire slope and 15' beyond the toe.	
jeto_f_20111110_559.jpg	



Levee Mile Report Line	35
Start Levee Mile	3.78
End Levee Mile	3.78
Location	Crown
Category	Earthen Levee
Item	Trim / Thin Trees
11/03/2011 Tree needs to be trimmed up to a minimum of 12' over the roadway.	
jeto_f_20111110_560.jpg	



Levee Mile Report Line	37
Start Levee Mile	3.98
End Levee Mile	3.98
Location	Water Side
Category	Earthen Levee
Item	Animal Control
11/03/2011 Burrow on waterside.	
jeto_f_20111110_561.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	38
Start Levee Mile	4.14
End Levee Mile	4.14
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
11/03/2011 Tree on waterside needs to be trimmed up 5' over slope and up to a minimum of 12' over the roadway.	
jeto_f_20111110_562.jpg	



Levee Mile Report Line	39
Start Levee Mile	4.18
End Levee Mile	4.45
Location	Water Side
Category	Earthen Levee
Item	Vegetation
11/03/2011 Waterside vegetation needs to be maintained on the top 20' of the waterside slope.	
jeto_f_20111110_563.jpg	



Levee Mile Report Line	42
Start Levee Mile	4.32
End Levee Mile	4.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Updated photo of encroachments on landside toe.	
jeto_f_20110923_218.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	43
Start Levee Mile	4.37
End Levee Mile	4.37
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
11/03/2011 Tree needs to be limbed up to 5' above the ground on the waterside for visibility.	
jeto_f_20111110_565.jpg	



Levee Mile Report Line	44
Start Levee Mile	4.38
End Levee Mile	4.38
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
11/03/2011 Large stump on landside slope.	
jeto_f_20111110_564.jpg	



Levee Mile Report Line	46
Start Levee Mile	4.49
End Levee Mile	5.16
Location	Water Side
Category	Earthen Levee
Item	Vegetation
11/03/2011 Waterside vegetation needs to be managed on the top 20' of the slope.	
jeto_f_20111110_566.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	48
Start Levee Mile	4.71
End Levee Mile	4.71
Location	Land Side
Category	Earthen Levee
Item	Encroachments

04/28/2011 Stairs on landside slope for monitoring station.

jeto_f_20110923_219.jpg



Levee Mile Report Line	49
Start Levee Mile	4.71
End Levee Mile	4.71
Location	Water Side
Category	Earthen Levee
Item	Encroachments

04/28/2011 Monitoring station.

jeto_f_20110923_220.jpg



Levee Mile Report Line	50
Start Levee Mile	4.81
End Levee Mile	4.87
Location	Land Side
Category	Earthen Levee
Item	Vegetation

11/03/2011 Landside vegetation needs to be maintained for the full landside slope and 15' beyond the toe.

jeto_f_20111110_567.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	52
Start Levee Mile	4.92
End Levee Mile	5.01
Location	Water Side
Category	Earthen Levee
Item	Vegetation

11/03/2011 Waterside vegetation has been sprayed, but needs to be removed so the top 20' of the slope is visible.

jeto_f_20111110_568.jpg

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 2085 Kasson

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River				0.69
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/28/2011 - 4/28/2011		11/3/2011 - 11/3/2011	
DWR Inspector	Jim Eto		Jim Eto	
Accompanied By	Ralph Timan		Bob Pombo	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.69	11/03/2011 11/03/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.66	0.66	Earthen Levee	Encroachments	CR	M	Equipment Inspector Comments: Heavy equipment is being stored on the levee crown.	37.713644 ° -121.269740 °	37.713644 ° -121.269740 °	1 Y

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.69	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Crown
Category	Earthen Levee
Item	Encroachments

11/03/2011 Heavy equipment being stored on the levee crown at the end of the spur levee.

jeto_f_20111110_553.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 2085 Kasson

Waterway			Bank	Unit Miles
Unit No. 03 San Joaquin River				0.29
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/28/2011 - 4/28/2011		11/3/2011 - 11/3/2011	
DWR Inspector	Jim Eto		Jim Eto	
Accompanied By	Ralph Timan		Ralph Timan	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.29	11/03/2011 11/03/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.01	0.29	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.680604 ° -121.264501 °	37.683928 ° -121.261921 °	4 Y
2	0.02	0.29	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.680705 ° -121.264343 °	37.683862 ° -121.262021 °	1 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.29	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.29
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Unwanted weed growth on levee slopes.

jeto_f_20110923_224.jpg



Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.29
Location	Land Side
Category	Earthen Levee
Item	Vegetation

11/03/2011 Vegetation has been sprayed, but needs to be removed.

jeto_f_20111114_570.jpg



Levee Mile Report Line	2
Start Levee Mile	0.02
End Levee Mile	0.29
Location	Water Side
Category	Earthen Levee
Item	Vegetation

04/28/2011 Weeds taller than 12" are on both waterside slopes for the full length of the unit. Weeds prevent visibility of the slope and crown.

jeto_f_20110923_223.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.29	11/03/2011 11/03/2011	Jim Eto

Levee Mile Report Line	2
Start Levee Mile	0.02
End Levee Mile	0.29
Location	Water Side
Category	Earthen Levee
Item	Vegetation
11/03/2011 Vegetation has been sprayed, but needs to be removed.	
jeto_f_20111114_571.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor